

ABSTRACT OF THE DISCLOSURE

High capacity spool with built-in balloon control head (1) and folding system
5 consisting of a spool composed of a balloon control head (1), a central tube (2) and a base (3) and of a folding system adjusted to this spool in two stages, a first stage in which a support cone for the second stage is obtained. The result obtained on the spool is a format whose final appearance is that of the so-called bottle type, although this fold differs from the habitual bottle fold, appropriate for any kind of material.

The high capacity spool with built in balloon control head (1) and folding system are of use in preventing the material to be spun or twisted from wearing down against any surface because of the balloon effect.

The high capacity spool with built-in balloon control head (1) and folding system is applicable on continuous ring spinning frames, ring twisting frames and twister-lap formers.